

Title (en)  
SURGICAL ROBOT PLATFORM

Title (de)  
CHIRURGISCHE ROBOTERPLATTFORM

Title (fr)  
PLATEFORME DE ROBOT CHIRURGICAL

Publication  
**EP 2863827 A4 20160420 (EN)**

Application  
**EP 13807863 A 20130621**

Priority  
• US 201261662702 P 20120621  
• US 201361800527 P 20130315  
• US 2013047194 W 20130621

Abstract (en)  
[origin: WO2013192598A1] A medical robot system, including a robot coupled to an effector element with the robot configured for controlled movement and positioning. The system may include a transmitter configured to emit one or more signals, and the transmitter is coupled to an instrument coupled to the effector element. The system may further include a motor assembly coupled to the robot and a plurality of receivers configured to receive the one or more signals emitted by the transmitter. A control unit is coupled to the motor assembly and the plurality of receivers, and the control unit is configured to supply one or more instruction signals to the motor assembly. The instruction signals can be configured to cause the motor assembly to selectively move the effector element and is further configured to (i) calculate a position of the at least one transmitter by analysis of the signals received by the plurality of receivers; (ii) display the position of the at least one transmitter with respect to the body of the patient; and (iii) selectively control actuation of the motor assembly in response to the signals received by the plurality of receivers.

IPC 8 full level  
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CPC (source: EP US)  
**A61B 5/061** (2013.01 - EP US); **A61B 5/062** (2013.01 - EP US); **A61B 5/066** (2013.01 - US); **A61B 10/02** (2013.01 - EP US); **A61B 10/0233** (2013.01 - EP US); **A61B 10/0275** (2013.01 - EP US); **A61B 17/025** (2013.01 - US); **A61B 17/1615** (2013.01 - US); **A61B 17/1671** (2013.01 - EP US); **A61B 17/1703** (2013.01 - US); **A61B 17/1757** (2013.01 - US); **A61B 17/7082** (2013.01 - US); **A61B 17/8866** (2013.01 - US); **A61B 34/10** (2016.02 - US); **A61B 34/20** (2016.02 - EP US); **A61B 34/25** (2013.01 - EP US); **A61B 34/30** (2016.02 - EP US); **A61B 34/32** (2016.02 - EP US); **A61B 34/70** (2016.02 - US); **A61B 34/74** (2016.02 - US); **A61B 34/76** (2016.02 - US); **A61B 46/20** (2016.02 - US); **A61B 50/13** (2016.02 - US); **A61B 90/14** (2016.02 - EP US); **A61B 90/37** (2016.02 - EP US); **A61B 90/39** (2016.02 - US); **A61B 90/96** (2016.02 - EP US); **A61B 90/98** (2016.02 - EP US); **A61M 5/172** (2013.01 - US); **A61N 1/0529** (2013.01 - EP US); **B25J 9/1065** (2013.01 - US); **A61B 5/064** (2013.01 - EP US); **A61B 17/17** (2013.01 - EP US); **A61B 90/11** (2016.02 - EP US); **A61B 2010/0208** (2013.01 - EP US); **A61B 2017/00119** (2013.01 - US); **A61B 2017/00203** (2013.01 - US); **A61B 2017/00207** (2013.01 - US); **A61B 2017/00876** (2013.01 - EP US); **A61B 2017/0256** (2013.01 - US); **A61B 2034/107** (2016.02 - EP US); **A61B 2034/2051** (2016.02 - EP US); **A61B 2034/2055** (2016.02 - EP US); **A61B 2034/2059** (2016.02 - US); **A61B 2034/2072** (2016.02 - US); **A61B 2034/301** (2016.02 - EP US); **A61B 2034/741** (2016.02 - US); **A61B 2034/742** (2016.02 - US); **A61B 2034/743** (2016.02 - US); **A61B 2034/744** (2016.02 - US); **A61B 2090/034** (2016.02 - EP US); **A61B 2090/064** (2016.02 - US); **A61B 2090/0811** (2016.02 - EP US); **A61B 2090/365** (2016.02 - US); **A61B 2090/374** (2016.02 - EP US); **A61B 2090/3762** (2016.02 - US); **A61B 2090/3764** (2016.02 - US); **A61B 2090/378** (2016.02 - EP US); **A61B 2090/3937** (2016.02 - EP US); **A61B 2090/3941** (2016.02 - US); **A61B 2090/3945** (2016.02 - EP US); **A61B 2090/395** (2016.02 - US); **A61B 2090/3966** (2016.02 - EP US); **A61B 2090/3975** (2016.02 - EP US); **A61B 2090/3979** (2016.02 - US); **A61B 2090/3983** (2016.02 - US)

Citation (search report)  
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• [I] WO 2007095637 A1 20070823 - CATHOLIC HEALTHCARE WEST DBA ST JOSEPHS HOSPITAL & MEDICAL CT [US]  
• See also references of WO 2013192598A1

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